

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S11 | 145  | @ad <= "20010726" and S10  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/08 20:36 |
| S12 | 5    | ("4598307"   "5027995"  <br>"5200642"   "5258329"  <br>"5306952").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/09/08 20:36 |
| S13 | 423  | 257/777.ccls.  | US-PGPUB  | OR | OFF | 2006/09/08 20:36 |
| S14 | 0    | S13 and capacitor and pad  | USPAT   | OR | ON  | 2006/09/08 22:13 |
| S15 | 78   | S13 and capacitor and pad  | US-PGPUB  | OR | ON  | 2006/09/08 20:46 |
| S16 | 9    | @ad <= "20010726" and S15  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/08 20:47 |
| S17 | 5268 | 257/686.ccls. or 257/723.ccls. or<br>257/724.ccls. or 257/782.ccls. or<br>257/780.ccls. or 257/784.ccls.   | USPAT   | OR | ON  | 2006/09/08 22:03 |
| S18 | 0    | S17 and capacitor and (pad trace<br>pattern conductor)   | US-PGPUB  | OR | ON  | 2006/09/08 23:43 |
| S19 | 1072 | S17 and capacitor and (pad trace<br>pattern conductor)   | USPAT   | OR | ON  | 2006/09/08 22:03 |
| S20 | 682  | @ad <= "20010726" and S19  | USPAT   | OR | OFF | 2006/09/08 22:04 |
| S21 | 591  | S20 not S11  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/08 22:01 |
| S22 | 11   | ("4447857"   "5200810"  <br>"5633785"   "5694297"  <br>"5696031"   "5905639"  <br>"6258626"   "6307256"  <br>"6313998"   "6320757"  <br>"6330164").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/09/08 21:06 |

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 18   | (closed adj loop\$3) with (resistive adj material)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/08 19:34 |
| S2    | 2    | 09/915,762  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/09/08 19:34 |
| S3    | 18   | ("5132613"   "5140496"  <br>"5184399"   "5311057"  <br>"5377072"   "5528083"  <br>"5751139"   "6005778"  <br>"6049465"   "6097973"  <br>"6137275"   "6147678"  <br>"6181002"   "6191477"  <br>"6222260"   "6284985"  <br>"6407456"   "6441483").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/09/08 19:40 |
| S4    | 18   | ("5132613"   "5140496"  <br>"5184399"   "5311057"  <br>"5377072"   "5528083"  <br>"5751139"   "6005778"  <br>"6049465"   "6097973"  <br>"6137275"   "6147678"  <br>"6181002"   "6191477"  <br>"6222260"   "6284985"  <br>"6407456"   "6441483").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/09/08 19:41 |
| S5    | 14   | ("3268744"   "4167018"  <br>"4914546"   "4929989"  <br>"5049979"   "5055905"  <br>"5083184"   "5095402"  <br>"5140496"   "5187637"  <br>"5281846"   "5311057"  <br>"5313693").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2006/09/08 19:48 |
| S6    | 4    | ("5377072").URPN.   | USPAT   | OR               | OFF     | 2006/09/08 19:49 |
| S7    | 4    | ("5377072").URPN.   | USPAT   | OR               | OFF     | 2006/09/08 19:54 |
| S8    | 1295 | 257/777.ccls.   | USPAT   | OR               | OFF     | 2006/09/08 20:36 |
| S9    | 147  | S8 and capacitor and (bond\$3 near pad)   | USPAT   | OR               | ON      | 2006/09/08 19:57 |
| S10   | 258  | S8 and capacitor and pad  | USPAT   | OR               | ON      | 2006/09/08 20:36 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S23 | 21   | ("20010015485"   "4996587"   "5444296"   "5652463"   "5674785"   "5808878"   "5898224"   "5952611"   "5973403"   "5994166"   "5994773"   "6005778"   "6013948"   "6020629"   "6051878"   "6081023"   "6087717"   "6181002"   "6262488"   "6265771"   "6316727").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/09/08 21:18 |
| S24 | 8    | ("4996587"   "5012323"   "5019943"   "5049676"   "5291061"   "5323060"   "5399898"   "5422435").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/09/08 21:27 |
| S25 | 2009 | 257/686.ccls. or 257/723.ccls. or 257/724.ccls. or 257/782.ccls. or 257/780.ccls. or 257/784.ccls.  | US-PGPUB  | OR | ON  | 2006/09/08 22:03 |
| S26 | 456  | S25 and capacitor and (pad trace pattern conductor)   | US-PGPUB  | OR | ON  | 2006/09/08 23:44 |
| S27 | 60   | @ad <= "20010726" and S26   | US-PGPUB  | OR | OFF | 2006/09/08 22:13 |
| S28 | 60   | S27 not S21   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/08 22:08 |
| S29 | 3723 | 361/760.ccls. or 361/761.ccls. or 361/763.ccls. or 361/764.ccls. or 361/782.ccls. or 361/790.ccls. or 361/783.ccls. or 361/784.ccls. or 361/734.ccls. or 361/735.ccls.  | USPAT   | OR | OFF | 2006/09/08 23:11 |
| S30 | 594  | S29 and capacitor and pad   | USPAT   | OR | ON  | 2006/09/08 22:13 |
| S31 | 480  | @ad <= "20010726" and S30   | USPAT   | OR | OFF | 2006/09/08 23:23 |
| S32 | 480  | S31 not S27   | USPAT   | OR | OFF | 2006/09/08 22:14 |
| S33 | 399  | S32 not S21   | USPAT   | OR | OFF | 2006/09/08 22:14 |
| S34 | 372  | S33 not S11   | USPAT   | OR | OFF | 2006/09/08 22:14 |
| S35 | 14   | ("4942454"   "5097317"   "5107325"   "5331205"   "5394298"   "5438478"   "5629566"   "5669137"   "5723907"   "5770480"   "5855821"   "5943212"   "5973404"   "5982041").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/09/08 22:52 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S36 | 547  | 361/760.ccls. or 361/761.ccls. or 361/763.ccls. or 361/764.ccls. or 361/782.ccls. or 361/790.ccls. or 361/783.ccls. or 361/784.ccls. or 361/734.ccls. or 361/735.ccls. | US-PGPUB  | OR | OFF | 2006/09/08 23:11 |
| S37 | 252  | S36 and capacitor and (pad trace pattern conductor)  | US-PGPUB  | OR | ON  | 2006/09/08 23:23 |
| S38 | 41   | @ad <= "20010726" and S37  | US-PGPUB  | OR | OFF | 2006/09/08 23:43 |
| S39 | 1555 | (capacitor capacitance) with (IC (integrated adj circuit) (semiconductor adj device)) with stack\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/08 23:42 |
| S40 | 935  | @ad <= "20010726" and S39  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/08 23:43 |
| S41 | 934  | S40 not S38  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/08 23:44 |
| S42 | 930  | S41 not S34  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/08 23:44 |
| S43 | 930  | S42 not S28  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/08 23:44 |
| S44 | 920  | S43 not S21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/08 23:44 |
| S45 | 917  | S44 not S11  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/08 23:44 |

## EAST Search History

|     |        |                                       |   |    |     |                  |
|-----|--------|---------------------------------------|---|----|-----|------------------|
| S46 | 523    | S45 and (pad trace pattern conductor) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/08 23:50 |
| S47 | 360487 | "257"/\$.ccls.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/09/08 23:51 |
| S48 | 421    | S46 and S47                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/09/09 00:02 |